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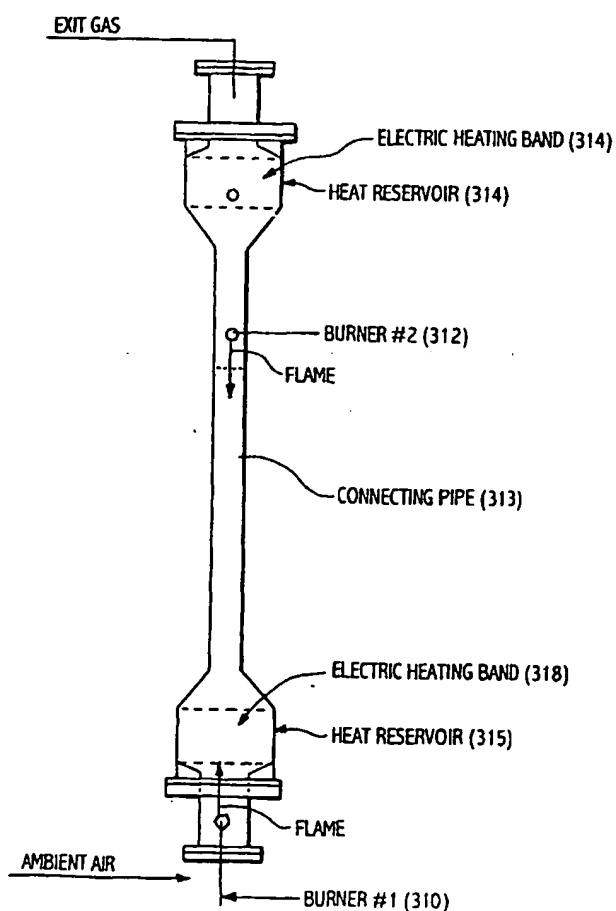
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(54) Title: NUCLEAR REACTIONS PRODUCED USING RAPID TEMPERATURE CHANGES



(57) Abstract: A method of generating a nuclear reaction from gas stream containing water which involves heating a gas stream at a rapid rate sufficient to dissociate the water into hydrogen and oxygen and to transform hydrogen ions into protons which produce nuclear reactions, including nuclear fusion. Once the reactions state is reached, no additional heat needs to be inputted into the reaction system. The resulting nuclear reaction can be used to produce heat for buildings, heat that can be used to generate electricity, and heat that can be used for other purposes.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G21B1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 658 653 A (ELECTRICITE DE FRANCE) 23 August 1991 (1991-08-23) the whole document	1,2,6,7
Y		3,4,8,9
P,Y	DATABASE WPI Section Ch, Week 200251 Derwent Publications Ltd., London, GB; Class K05, AN 2002-472481 XP002242650 & CN 1 346 133 A (CHEN D), 24 April 2002 (2002-04-24) abstract	3,8
Y	US 3 778 343 A (COPPI B ET AL) 11 December 1973 (1973-12-11) column 1, line 66 - line 67	4,9
	—/—	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Int lional Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95 12883 A (ENECO INC) 11 May 1995 (1995-05-11) claim 30; figures 1,12,13	1,2,6,7, 12
A	WO 91 16713 A (AMPERE) 31 October 1991 (1991-10-31) claims 1,10,15	1,2,6,7, 12
P,A	FR 2 809 224 A (KALESKI FRANCOIS) 23 November 2001 (2001-11-23) the whole document	1,2,6,7, 12
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06, 31 July 1995 (1995-07-31) & JP 07 077588 A (MASAAKI DOKE), 20 March 1995 (1995-03-20) abstract	1,2,6,7, 12
A	EP 0 471 278 A (LIN PING WHA) 19 February 1992 (1992-02-19) cited in the application the whole document	1,4,6,9, 12,13

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2658653	A	23-08-1991	FR 2658653 A1	23-08-1991
CN 1346133	A	24-04-2002	NONE	
US 3778343	A	11-12-1973	NONE	
WO 9512883	A	11-05-1995	AU 1085795 A WO 9512883 A1	23-05-1995 11-05-1995
WO 9116713	A	31-10-1991	FR 2661033 A1 WO 9116713 A1	18-10-1991 31-10-1991
FR 2809224	A	23-11-2001	FR 2809224 A1	23-11-2001
JP 07077588	A	20-03-1995	NONE	
EP 0471278	A	19-02-1992	US 5084258 A CA 2049411 A1 DE 69114402 D1 DE 69114402 T2 EP 0471278 A1	28-01-1992 18-02-1992 14-12-1995 30-05-1996 19-02-1992

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